

N Specifications

Materials		
Connector Part	Material	Finish
Bodies	Brass	Nickel or Gold
Center contact	Male: Brass	Gold
	Female: Brass, Phosphor Bronze or Beryllium Copper	
Insulator	PTFE	N/A
Crimp ferrule	Annealed Copper	Nickel or Gold

Electrical		
Electrical Data	Detail	
Impedance	50 ohm	75 ohm
Frequency range	0~11GHz	0~6GHz
Working voltage	500volts rms max.	
Insulation resistance	5,000 megahms min.	
Dielectric withstanding voltage	2,500 volts rms min.	
Contact resistance	Center contact: 3.0 milliohms max.	
	Outer contact: 2.0 milliohms max.	
VSWR: f(GHz)	Straight: 1.3 max.	
	Right angle: 1.5 max.	
Insertion loss	0.3dB max. at 10GHz	

Mechanical	
Mechanical Data	Detail
Engagement force	6 inch-pounds max.
Disengagement force	6 inch-pounds max.
Connector durability	500 cycles min.
Cable retention force	RG58, 141, 142, 223/U » 40lbs min.
	RG174, 188, 316/U » 20lbs min.

Environmental	
Environmental Data	Detail
Corrosion (salt spray)	MIL-STD-202 METHOD 101 TEST CONDITION B
Thermal shock	MIL-STD-202 METHOD 107 TEST CONDITION B
Vibration	MIL-STD-202 METHOD 204 TEST CONDITION B
Mechanical shock	MIL-STD-202 METHOD 213 TEST CONDITION I
Temperature Range	-65°C to 165°C (PTFE)

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